



PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C08K 5/09	A1	(11) International Publication Number: WO 00/12607 (43) International Publication Date: 9 March 2000 (09.03.00)
(21) International Application Number: PCT/US99/19458 (22) International Filing Date: 26 August 1999 (26.08.99) (30) Priority Data: 60/098,002 26 August 1998 (26.08.98) US (71) Applicant (for all designated States except US): THE DOW CHEMICAL COMPANY [US/US]; 2030 Dow Center, Mid- land, MI 48674 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): NISWANDER, Ron, H. [US/US]; 1902 Twin Tulip Court, Fresno, TX 77545 (US). (74) Agent: TYLER, Gene, L.; Patent Department, B-1211, 2301 Brazosport Boulevard, Freeport, TX 77541 (US).		(81) Designated States: AU, BR, CA, CN, IN, JP, KR, MX, RU, TR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: INTERNAL MOLD RELEASE FOR LOW DENSITY REACTION INJECTION MOLDED POLYURETHANE FOAM (57) Abstract <p>A method for preparing a molded polyurethane foam article using an internal mold release composition is provided. More specifically, a method using an IMR agent and an IMR-enhancer compound to prepare a molded polyurethane foam article is provided. The method comprises (a) forming a polyurethane-forming mixture by mixing (i) a fatty acid condensation product, (ii) an IMR-enhancer compound, (iii) an isocyanate, (iv) a polyol, (v) a catalyst, and (vi) a blowing agent; (b) filling a mold with the polyurethane-forming mixture; (c) forming a molded foam article; and (d) removing the molded foam article from the mold. The IMR-enhancer compound is any liquid petroleum product within the viscosity range of products called oils.</p>		